

```
In [1]: import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
import warnings
warnings.filterwarnings('ignore')

current_palette = sns.color_palette()
sns.palplot(current_palette)
```



```
In [2]: #seaborn提供的6種調色板
theme_list=['deep', 'muted', 'pastel', 'bright', 'dark', 'colorblind']
for i in theme_list:
    sns.palplot(sns.color_palette(i))
```



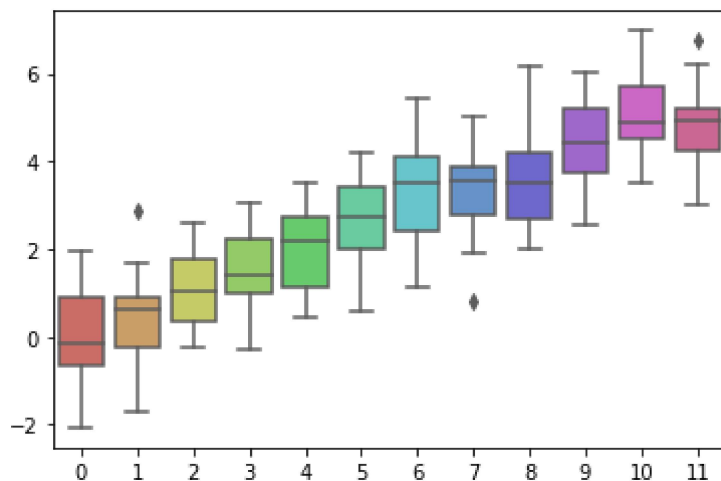
```
In [3]: sns.color_palette("hls", 25)
```

```
Out[3]:
```

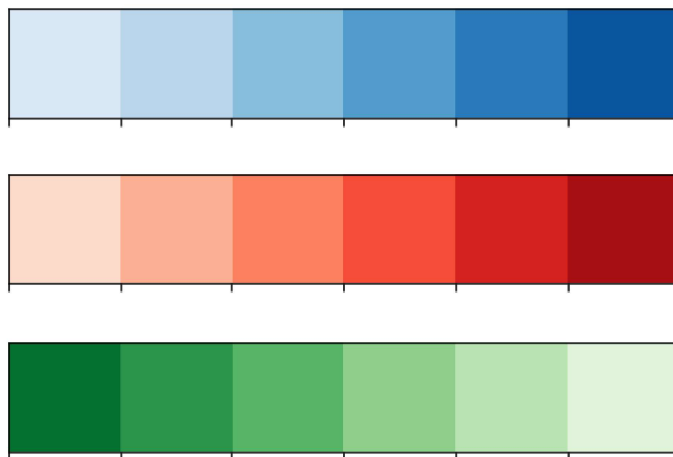


```
In [4]: data = np.random.normal(size=(20, 12)) + np.arange(12) / 2
sns.boxplot(data=data, palette=sns.color_palette("hls", 12))
```

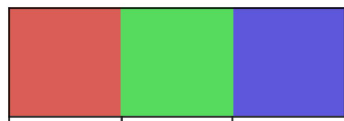
```
Out[4]: <AxesSubplot:>
```



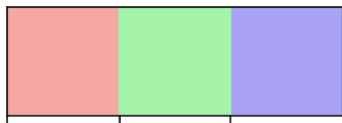
```
In [5]: sns.palplot(sns.color_palette("Blues"))
sns.palplot(sns.color_palette("Reds"))
sns.palplot(sns.color_palette("Greens_r"))
```



```
In [6]: #使用默認亮度和飽和度
sns.palplot(sns.hls_palette(3))
```

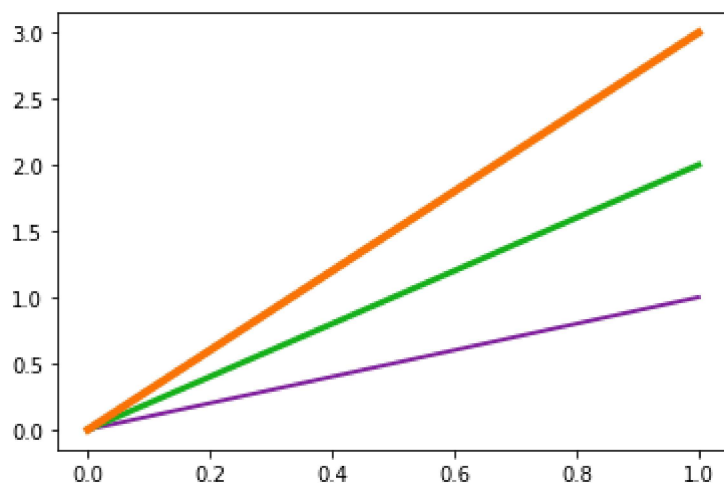


```
In [7]: sns.palplot(sns.hls_palette(3, l=0.8, s=0.8))
```

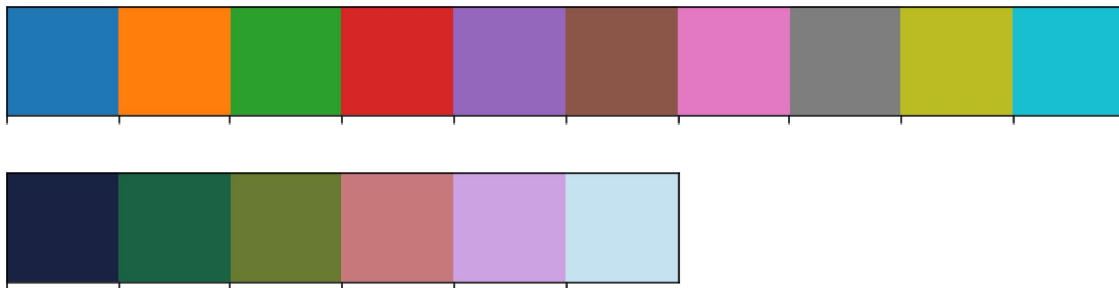


```
In [8]: #Lw表示線寬
plt.plot([0, 1], [0, 1], sns.xkcd_rgb["purple"], lw=2)
plt.plot([0, 1], [0, 2], sns.xkcd_rgb["green"], lw=3)
plt.plot([0, 1], [0, 3], sns.xkcd_rgb["orange"], lw=4)
```

```
Out[8]: [<matplotlib.lines.Line2D at 0x267ccacf7c0>]
```



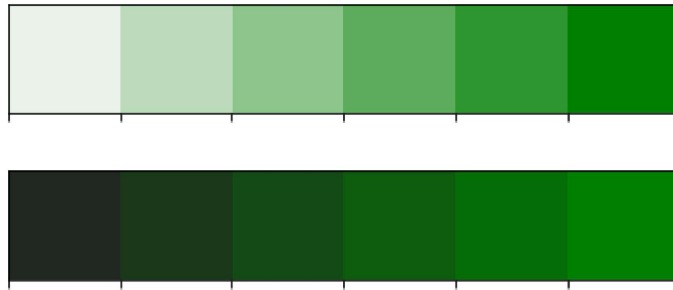
```
In [9]: sns.palplot(sns.color_palette())
sns.palplot(sns.color_palette("cubehelix"))
```



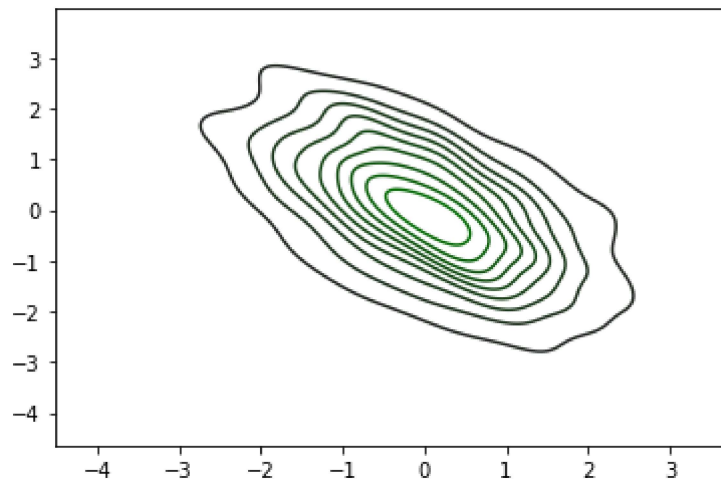
```
In [10]: sns.palplot(sns.cubehelix_palette(8, start=0.8, rot=-0.5))
```



```
In [11]: sns.palplot(sns.light_palette("green"))  
sns.palplot(sns.dark_palette("green"))
```



```
In [12]: x, y = np.random.multivariate_normal([0, 0], [[1, -.5], [-.5, 1]], size=60)  
pal = sns.dark_palette("green", as_cmap=True)  
sns.kdeplot(x, y, cmap=pal);
```



```
In [13]: x, y = np.random.multivariate_normal([0, 0], [[1, -.5], [-.5, 1]], size=60000)
pal = sns.cubehelix_palette(light=1, as_cmap=True)
sns.kdeplot(x, y, cmap=pal, shade=True)
```

Out[13]: <AxesSubplot:>

